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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SUBJECT German Engineers at the Zeiss-Jena Plant in Leningrad

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THIS IS UNEVALUATED INFORMATION 25X1

25X1 1. German engineers and experts of the Zeiss, Osram, and AEG Firms are working in Leningrad

25X1 The developmental orders placed with the Zeiss-Jena Firm have been given in detail in a previous report.*

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2. There are two organizations of Zeiss experts in Leningrad; one of them cooperates with the former Leuchtstoff G.m.b.H. (Fluorescent Substances Ltd.) in Steinebach, which was also deported to Leningrad and is engaged in the development of television tubes and equipment. This group also works on the marking of indicating devices for range finders, radar sets, and other measuring instruments. From this it is inferred that the Soviets have succeeded in producing a usable fluorescent agent on the basis of the former German process. The place of work of this group in the "Institute" was reported in previous reports.**** Another organization of Zeiss experts seems to work in Optical Plant No. 448, which is located in the southern sector of Leningrad,***** and perhaps also in Plant No. 218. This organization seems to consist chiefly of optics experts familiar with the fitting and adjustment of lenses in all kinds of instruments. Some of these engineers live in a new settlement on the southeastern perimeter of Leningrad.

3. Another important organization of German experts working in Leningrad is the group of development engineers Gyroscopic Gears Ltd. (Kreiselgeraete G.m.b.H.) established by the Soviet MSP in Berlin after 1945. The missions of this group were transmitted in a previous report.****** By order of the Soviet Navy this organization is working on the development of range finders, AAA equipment, range-finding posts, and remote-control devices for AAA rockets or torpedoes. The

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individual plants in which this equipment is being produced or where the developmental work is under way could not yet be determined.

4. Another group of deported German engineers consists of former AEG experts from the Oberspreewerk who work together with Siemens experts from the former Arnstadt Plant and some leading engineers of the former Erfurt Telefunken Plant.**

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Deported German experts, some of whom had brought their families along, were also observed in Plant No. 619.*******

5. Since 1946 the above mentioned group, to which engineers from the Berlin Osram Firm were also attached, has been engaged in the production and further development of tubes. The production of the main types of these tubes was started in Germany and includes the following types:

a. Tubes for receiver amplifiers, types 6 A, C 7, 6 AG 7

b. Impulse tube, modulation tube of type 5 D 21

c. Receiver amplifier (double triode) of type 6 J 6

d. Metal-ceramic triodes of type L D-11, 12, 7, 70, 90 for transmitters using centimeter waves from 8 to 15 cm, one harmonic wave, and centimeter waves from 16 to 30 cm, one fundamental wave. In the laboratory the following types were used:

Klystron	3.2 cm	10 to 20 milliwatt
	10.6 cm	50 to 80 milliwatt
Magnetron	1.5 cm	15 to 20 milliwatt
	10 cm	80 to 100 milliwatt
Metal-ceramic triode	8.5 cm	2 to 3 watt
	30 cm	25 to 30 watt
	9 cm	5 watt

6. From a previous report******** it may be inferred that the activities of the AEG-Oberspreewerk in the field of short waves were stopped in Berlin and that this sort of work continues only in the USSR. Prior to their deportation, the engineers of this group worked on accessories for field intensity measuring sets and conducted antenna experiments.

7. In addition to these main groups of German experts, other individual specialists were observed in Leningrad. However, it may be assumed that they are somehow connected with these organizations. For instance, the chief of the Staaken Quartz Smelting Plant********* is reportedly working in a plant near Leningrad. The former director of a technical-physical laboratory in Meiningen which produced high-performance arc lamps for searchlights is also located in Leningrad.**********

Other Zeiss Groups in the USSR

8. The main group of Zeiss Plant specialists works and lives in Krasnogorsk; another organization which presumably is engaged only in construction work is located in Mamontovka near Moscow. The glass works and glass grinding plant in Lytkarina near Moscow are also run by Zeiss experts. Another Zeiss group works in Kiev. It has lately been reinforced by the transfer of personnel from the Moscow main organization. Automatic cameras, fighter and bomber sights, in addition to AAA range finders, are chiefly produced in Kiev.

25X1 Comment:
The Zeiss groups working outside of Leningrad are mentioned for completeness' sake only, since all details on these groups can be gathered from the numerous reports on their activities previously disseminated.

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